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Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S) EXAMINATION, SEPTEMBER 2024

First Semester

Complementary Course—Zoology

ANIMAL DIVERSITY—NON–CHORDATA

(Common for all the Programmes having Zoology as Complementary Subject except B.Sc Botany Model II)

(2013 to 2016 Admissions)

Time : Three Hours Maximum Marks : 60

Part A

Answer **all** *questions.*

Each question carries 1 *mark.*

1. What is red tide ?
2. What is gemmule ?
3. What is polyp ?
4. What is thelycum ?
5. What is osphradium ?
6. What is ostia and osculum ?
7. What is radula ?
8. What is measley pork ?

(8 × 1 = 8)

Part B

Answer any **six** *questions.*

Answer in **one paragraph** *each.*

Each question carries 2 *marks.*

9. Briefly describe the structure of water vascular system.

Turn over

10. Describe the structure of excretory system in prawn.

11. Explain mutualism with reference to *Trychonympha*.

12. Write on the evolutionary significance of *Limulus*.

13. Comment on the polymorphism in *Physalia*.

14. What are the parasitic adaptations of *Wuchereria* ?

15. Write the special features of *Trycoplax* ?

16. Comment on *Dentalium*.

17. Comment on the special adaptations of *Adamsia*.

18. What are the salient features of Hemichordata ?

(6 × 2 = 12)

Part C

Answer any **four** *questions.*

Answer in **one page** *each.*

Each question carries 4 *marks.*

19. Differentiate between cephalopoda and gastropoda citing suitable examples.

20. Explain five kingdom classification.

21. Describe the salient features of phylum dinoflagellata citing an example.

22. Differentiate between phasmidia and aphasmidia citing suitable example.

23. Write an account on any *two* coconut pests, the damages caused and control measures.

24. Classify phylum coelenterata upto class citing examples.

(4 × 4 = 16)

Part D

Answer any **two** *questions.*
Answer should not exceed **four pages** *each.*
Each question carries 12 *marks.*

25. Write an essay on different types of corals and coral reefs.

26. With suitable diagram explain the nervous system in prawn.

27. Classify phylum echinodermata down to classes with suitable examples.

28. With suitable diagram explain the cephalic and thoracic appendages of prawn.

(2 × 12 = 24)